UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 1374-SPL C

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450

| Transmitted herewith for filing under 35 U.S.C. 11 | 1(a) and 37 C.F | R. 1.53(b) is a new | w utility patent appli | cation for an |
|--|-----------------|---------------------|------------------------|---------------|
| invention entitled: | • | | •• | |

| invention entitled: | tern application for an | | | | | |
|--|--|--|--|--|--|--|
| METHOD AND APPARATUS FOR SEGMENTING SMALL STRUCTURES IN IMAGES | | | | | | |
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| | P7 = 1 | | | | | |
| and invented by: | | | | | | |
| Isaac N. Bankman and Tanya Nizialek | 888 77 184 | | | | | |
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| If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information and the state of th | | | | | | |
| ☑ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application | No.: <u>09/305,016</u> | | | | | |
| Which is a: | | | | | | |
| ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application | No.: | | | | | |
| Which is a: Continuation Divisional Continuation-in-part (CIP) of prior application | NI. | | | | | |
| ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application | No.: | | | | | |
| Enclosed are: | | | | | | |
| Application Elements | | | | | | |
| 1. Filing fee as calculated and transmitted as described below | | | | | | |
| 2. Specification having 49 pages and including the following | | | | | | |
| 2. Specification having pages and including the following | : | | | | | |
| a. 🗵 Descriptive Title of the Invention | | | | | | |
| b. 🛮 Cross References to Related Applications (if applicable) | | | | | | |
| c. Statement Regarding Federally-sponsored Research/Development (if application) | | | | | | |
| g | G | | | | | |
| | - The state of the | | | | | |
| | Background of the Invention | | | | | |
| f. 🛛 Brief Summary of the Invention | Brief Summary of the Invention | | | | | |
| g. 🛛 Brief Description of the Drawings (if filed) | Brief Description of the Drawings (if filed) | | | | | |
| h. 🛛 Detailed Description | Detailed Description | | | | | |
| i. 🛛 Claim(s) as Classified Below | | | | | | |
| j. 🖾 Abstract of the Disclosure | | | | | | |
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UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 1374-SPL C

Total Pages in this Submission

| | | | | · A | pplication Ele | ements | (Continue | ed) | | | |
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| 3. | \boxtimes | Drawi | ing(s) (when | necessary a | s prescribed b | y 35 US | SC 113) | | | | |
| | a. | ⊠ F | Formal | Number of | Sheets | | 11 | | | | |
| | b. | | nformal | Number of | Sheets | | | | | | |
| 4. | \boxtimes | Oath | or Declaration | on | | | | | | | |
| | a. | | lewly execu | ted (original o | or copy) | □ Un | executed | | | | |
| | b. | X | Copy from a | prior applicat | ion (37 CFR 1 | .63(d)) (| for continue | ation/divisio | nal applica | tion only) | |
| | C. | ⊠ v | Vith Power of | of Attorney | ☐ Withou | t Power | of Attorne | у | | | |
| | d. | S | Signed state | DF INVENTO ment attache R. 1.63(d)(2) a | d deleting inve | entor(s) r | named in t | he prior ap | plication, | | |
| 5. | | The e | ntire disclos b, is consid | ure of the pri | sable if Box 4b or application, ng part of the ein. | from wh | nich a copy | | | | |
| 6. | | CD R | OM or CD-R | in duplicate, | large table or | Comput | ter Progran | m (Append | lix) | | |
| 7. | | | | Sheet (See 37 | • | | | | | | |
| 8. | | Nucle | otide and/or | Amino Acid S | Sequence Sub | mission | (if applica | ble, all mu | st be inclu | ded) | |
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| 9. | | Assign | nment Pape | rs (cover she | et & document | i(s)) | | | | | |
| 10. | | 37 CF | R 3.73(B) S | tatement (wh | en there is an | assigne | e) | | · | | |
| 11. | | Englis | h Translatio | n Document | (if applicable) | | | | | | |
| 12. | | Information Disclosure Statement/PTO-1449 Copies of IDS Citations | | | | | | | | | |
| 13. | | | inary Amen | | | | | | | | |
| 14. | \boxtimes | | | | P 503) (Should | | · · | • | | | • |
| 15. | | | | | nent(s) (if fore | ign prior | ity is claim | ied) | | | |
| 16. | X | Certific | cate of Maili | ng | | | | | | | |
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UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 1374-SPL C

Total Pages in this Submission

| | | Accompanying Application Parts (Continued) | | | | |
|-------|---|--|--|--|--|--|
| 17. [| X | Applicant claims small entity status. See 37 CFR 1.27. | | | | |
| | | ☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted: 1 | | | | |
| 18. [| | Additional Enclosures (please identify below): | | | | |
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| | | Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2) | | | | |
| 19. [| | Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application. | | | | |
| | | Warning | | | | |
| | | An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional. | | | | |
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| 19. [| 9. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application. Warning An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i) must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional. | | | | | |

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 1374-SPL C

Total Pages in this Submission

Fee Calculation and Transmittal

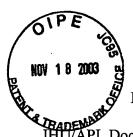
| | CLAIMS AS FILED | | | | | | | |
|--|-----------------|---------------|--------|------|------------------|----------|--|--|
| For | #Filed | #Allowed | #Extra | F | Rate | Fee | | |
| Total Claims | 23 | - 20 = | 3 | x | \$9.00 | \$27.00 | | |
| ndep. Claims | 4 | - 3 = | 1 | × \$ | 643.00 | \$43.00 | | |
| Multiple Dependent C | laims (check i | f applicable) | | | | \$0.00 | | |
| | | | | | BASIC FEE | \$385.00 | | |
| OTHER FEE (specify | / purpose) | | | | | \$0.00 | | |
| | | | | | TOTAL FILING FEE | \$455.00 | | |
| □ A check in the amount of to cover the filing fee is enclosed. □ The Director is hereby authorized to charge and credit Deposit Account No. 01-2218 as described below. □ Charge the amount of \$455.00 as filing fee. □ Credit any overpayment. □ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. □ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Dated: November 18, 2003 □ Francis A. Cooch | | | | | | | | |

CC:

Francis A. Cooch, Reg. No. 31,495

11100 Johns Hopkins Road Laurel, MD 20723-6099 Phone: 240.228.5640

Johns Hopkins University Applied Physics Laboratory



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JHU/APL Docket No. 1374-SPL

Serial No.: 09/305,016

Filed: May 4, 1999

Inventors:

Isaac N. Bankman and Tanya Nizialek

For:

METHOD AND APPARATUS FOR SEGMENTING SMALL STRUCTURES IN

IMAGES

Mail Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" label number EV248630160US

Date of Deposit: November 18, 2003

I hereby certify that the following documents for the above-identified patent application consisting of the following:

- 1. Postcard receipt
- 2. Petition for Revival of an Application for Patent Abandoned Unintentionally (3 pp.) (in dupl.)
- 3. Utility Patent Application Transmittal (4 p.)
- 4. Copy of Declaration and Power of Attorney (3 pp.)
- 5. Specification (31 pp.); claims (6 pp.); Abstract (1 p.); drawings (11 sheets)

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mary Jane Colson

| , and the second | Petition For Revival Of An Application For Patent Abandoned Unintentionally Under 37 CFR 1.137(b) (Small Entity) Docket No. 1374-SPL | | | | | | | |
|--|--|---|--|------------------------|--|--|--|--|
| In Re A | In Re Application of Pigare N. Bankman and Tanya Nizialek | | | | | | | |
| | Serial No. 18 0/305,016 | 7003 E Filing Date May 4, 1999 | Examiner Abolfazi Tabatabai | Group Art Unit 2625 | | | | |
| Inventi | on: | DEMAR | | | | | | |
| МЕТН | OD AND APPAR | ATUS FOR SEGMENTING SMA | ALL STRUCTURES IN IMAGES | | | | | |
| | Attention: Office of Petitions COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, VA 22313-1450 | | | | | | | |
| NC | | ation or assistance is needed in ion at (703) 305-9282. | completing this form, please contact | et Petitions | | | | |
| action I | The above-identified application became abandoned for failure to file a timely and proper response to a notice or action by the Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the Office notice or action plus any extension of time actually obtained. | | | | | | | |
| | · API | PLICANT HEREBY PETITIONS | FOR REVIVAL OF THIS APPLICAT | TON | | | | |
| NOTE: A grantable petition requires the following items: (1) Petition fee; (2) Reply and/or issue fee; (3) Terminal disclaimer with disclaimer feerequired for all utility and plant applications filed before June 8, 1995; and for all design applications; and (4) Statement that the entire delay was unintentional. | | | | | | | | |
| 1. 🗵 | A proposed rep | oly to the above-identified Office | Action: | | | | | |
| | is enclosed | | | | | | | |
| | The proposed r | reply is in the form of: \underline{a} | continuing applicat | tion PK | | | | |
| 2. 🗆 | The issue fee: | | <i>3</i> 0V | | | | | |
| | ☐ is enclosed | l. 🔲 was paid on | | | | | | |
| 3. 🛚 | A small entity d | eclaration: | | | | | | |
| | ☐ is enclosed | d. ⊠ was filed on May | y 4, 1999 | | | | | |
| 4. 🛛 | The abandoned | d application was a: | | | | | | |
| | ☐ design appl | lication. utility applicatio | n. | | | | | |
| 5. 🗆 | A terminal discl | laimer (and fee) disclaiming a pe | eriod equivalent to the period of aban | donment is enclosed. | | | | |
| 6. 🛚 | Since this utility | //plant application was filed on o | r after June 8, 1995, no terminal disc | laimer is required. | | | | |

| Petition For Revival Of An Application For Pa Unintentionally Under 37 CFR 1.137(b) (S | Dock 1374- | et No. SPL | | | | | |
|--|-------------------|---------------|------------|--|--|--|--|
| In Re Application Of: Isaac N. Bankman and Tanya Nizialek | | | | | | | |
| Serial No. 09/305,016 NOV 1 8 2003 Filing Date Examiner Grounds Abolfazi Tabatabai | | | | | | | |
| Invention: METHOD AND APPARATUS FOR SEGMENTING SMALL STRUCTURES IN IMAGES | | | | | | | |
| Calculation and | d Payment of Fees | | | | | | |
| Enclosed are the following fees: | | | | | | | |
| 7. Petition fee under 37 CFR 1.17(m) in the amoun | t of: | | \$665.00 | | | | |
| 8. Fee for amendment in the amount of: | | | | | | | |
| 9. See for extension of time to reply to Office Action in the amount of: \$475.00 | | | | | | | |
| 10. Issue fee in the amount of: | | | | | | | |
| 11. Continuing application filing fee in the amount of | : | | | | | | |
| 12. Terminal disclaimer fee in the amount of: | | | | | | | |
| 13. 🗆 | | | | | | | |
| | Total fe | ees enclosed: | \$1,140.00 | | | | |
| The fee of \$1,140 is to be paid as follows: ☐ A check in the amount of the fee is enclosed. ☐ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 01-2218 | | | | | | | |

Petition For Revival Of An Application For Patent Abandoned Unintentionally Under 37 CFR 1.137(b) (Small Entity)

Docket No. 1374-SPL

In Re Application Of: Isaac N. Bankman and Tanya Nizialek

Serial No.

Filing Date

Examiner

Group Art Unit

09/305,016

May 4, 1999

Abolfazi Tabatabai

2625

Invention: OIPE

METHOD AND APPARATUS FOR SEGMENTING SMALL STRUCTURES IN IMAGES

NOV 1 8 2003

Statement

The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional.

- Cooch Dated: November 18, 2003

Francis A. Cooch, Reg. No. 31,495

Office of Patent Counsel

The Johns Hopkins University/Applied Physics Lab

11100 Johns Hopkins Road Laurel, MD 20723-6099

Phone: 240.228.5640

I certify that this document and fee is being deposited with the U.S. Postal Service as

first class mail under 37 C.F.R. 1.8 and is addressed to the Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of Person Mailing Correspondence

Mary Jane Colson

Typed or Printed Name of Person Mailing Correspondence

CC: